CONTENTS

Special Issue I
Model Selection, Model Diagnostics, Empirical Bayes and Hierarchical Bayes

Edited by P. Lahiri

Volume 111, Numbers 1–2

Preface	*P. Lahiri*	1
Bayesian measures of surprise for outlier detection	*M.J. Bayarri and J. Morales*	3
Inference under representable priors for Pearson type II models in finite populations	*H. Bolfarine, L.B. Gasco and P.L. Iglesias*	23
Variable selection for multivariate logistic regression models	*M.-H. Chen and D.K. Dey*	37
Prior elicitation for model selection and estimation in generalized linear mixed models	*M.-H. Chen, J.G. Ibrahim, Q.-M. Shao and R.E. Weiss*	57
Variable selection in qualitative models via an entropic explanatory power	*J.A. Dupuis and C.P. Robert*	77
Bayesian methodology for combining the results from different experiments when the specifications for pooling are uncertain: II	*R. Evans and J. Sedransk*	95
Mixtures of products of Dirichlet processes for variable selection in survival analysis	*P. Giudici, M. Mezzetti and P. Muliere*	101
Empirical best prediction for small-area inference based on generalized linear mixed models	*J. Jiang*	117
A default Bayesian test for the number of components in a mixture	*E. Moreno and B. Liseo*	129
Specification and identification issues in models involving a latent hierarchical structure	*M. Mouchart and E.S. Martín*	143
Bayesian variable and link determination for generalised linear models	*I. Ntzoufras, P. Dellaportas and J.J. Forster*	165
Rates of convergence of empirical Bayes tests for a normal mean	*M. Pensky*	181
Pseudo hierarchical Bayes small area estimation combining unit level models and survey weights	*Y. You and J.N.K. Rao*	197
Posterior predictive model checking in hierarchical models	*S. Sinharay and H.S. Stern*	209
On the calibration of Bayesian model choice criteria	*P.K. Vlachos and A.E. Gelfand*	223
Empirical Bayes analysis for a hierarchical Poisson generalized linear model	*W. Tu and W.W. Piegorsch*	235
Author Index Volume 111		249